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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/575,127	06/11/2007	Jue-Lon Shie	01948/101002	1967	
21559 CLARK & ELF	7590 07/09/200 BING LLP	9	EXAMINER		
101 FEDERAL	STREET		DUNSTON, JENNIFER ANN		
BOSTON, MA 02110			ART UNIT	PAPER NUMBER	
			1636		
			NOTIFICATION DATE	DELIVERY MODE	
			07/09/2009	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentadministrator@clarkelbing.com

	Application No.	Applicant(s)				
	10/575,127	SHIE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jennifer Dunston	1636				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·					
3) Since this application is in condition for allowan		secution as to the	merits is			
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>120-138</u> is/are pending in the applicat	ion.					
4a) Of the above claim(s) is/are withdraw						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>120-138</u> are subject to restriction and/	or election requirement.					
Application Papers	·					
· · · <u> </u>						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the o	• , ,	, ,	-D 4 404(-I)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National	Stage			
Attachment(s)	»□					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ∐ Interview Summary Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date	6)					

DETAILED ACTION

Claims 120-138 are pending in the instant application.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 120-122 and 132 (in part, as they read on the polypeptide), drawn to a method of increasing angiogenesis in a mammal by providing to the mammal a therapeutically effective amount of Related Transcriptional Enhancer Factor-1 (RTEF-1) polypeptide.

Group II, claim(s) 120, 133 and 134 (in part, as it reads on the nucleic acid molecule), drawn to a method of increasing angiogenesis in a mammal by providing the mammal with a therapeutically effective amount of RTEF-1 nucleic acid molecule.

Group III, claim(s) 123-125, drawn to a method of decreasing angiogenesis in a mammal by administering a therapeutically effective amount of a composition that reduces the expression or activity of RTEF-1.

Group IV, claim(s) 126-129, drawn to a method for identifying a candidate compound for modulating angiogenesis in a mammal, comprising measuring RTEF-1 gene expression or activity.

Group V, claim(s) 130-131, drawn to a method for identifying a candidate compound for modulating angiogenesis in a mammal, comprising testing the angiogenic activity of the candidate compound.

Group VI, claim(s) 135 (in part, as it reads on the vector), drawn to a kit comprising a vector encoding RTEF-1.

Group VII, claim(s) 135 (in part, as it reads on the polypeptide), drawn to a kit comprising an RTEF-1 polypeptide.

Group VIII, claim(s) 135 (in part, as it reads on the composition that reduces levels or activity), and 136-138, drawn to a kit comprising a composition that reduces the levels or activity of RTEF-1.

The inventions listed as Groups I-VIII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

According to PCT Rule 13.2, unity of invention exists only when the shared same or corresponding technical feature is a contribution over the prior art. The inventions listed as Groups I-VIII do not relate to a single general inventive concept because they lack the same or corresponding special technical feature. The technical feature linking Groups I-VIII appears to be that they all relate to RTEF-1 nucleic acid or polypeptide. However, Stewart et al (Genomics, Vol. 36, pages 68-76, 1996) teach the human RTEF-1 nucleic acid and polypeptide (e.g., Figure 1). Therefore, the technical feature linking the inventions of Groups I-VIII does not constitute a special technical feature as defined by PCT Rule 13.2, as it does not define a contribution over the prior art.

Accordingly, Groups I-VIII are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept.

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species of compounds that reduce the levels or activity of RTEF-1 (for example, one compound recited in claim 137 or 138) and methods of using the compounds (for example, one method of using one compound recited in claim 124 or 125).

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The following claim(s) are generic: claim 123 is generic to the method of Group III, and claims 135 and 136 are generic to the product of Group VIII.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:

According to PCT Rule 13.2 and to the guidelines in Section (f)(i)(A) and Section (f)(i)(B)(1) of Annex B of the PCT Administrative instructions, all alternatives of a Markush group must have a common property or activity and a common structure. The RTEF-1 inhibitors of the abovementioned claims each have a different chemical structure and do not share a common structure. For example, a dsRNA molecule and a ssRNA molecule have a different structure.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder. <u>All</u> claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained.

Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Dunston whose telephone number is (571)272-2916. The examiner can normally be reached on M-F, 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on 571-272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jennifer Dunston Examiner Art Unit 1636

/Jennifer Dunston/ Examiner, Art Unit 1636